

SEARCH REQUEST FORM

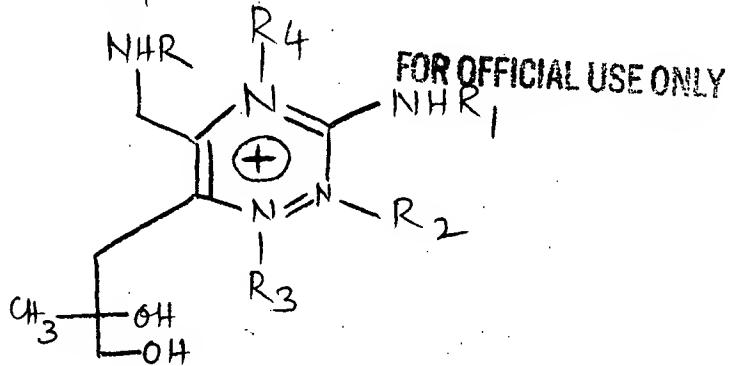
(-319)

Requestor's Name: Gupta, Y Serial Number: 07/956,722
 Date: 1/24/94 Phone: 4708 Art Unit: 1202

Search Topic:

Please write a detailed statement of search topic. Describe specifically as possible the subject matter to be searched. Define any terms that may have a special meaning. Give examples or relevant citations, authors keywords, etc., if known. For sequences, please attach a copy of the sequence. You may include a copy of the broadest and/or most relevant claim(s).

Please Search for the following Compounds



Leave R₁, R₂, R₃, and R and R₄ Open
 Utility: - used in assay procedure for the detection of advanced glycosylation end products in polypeptide samples.

Thank B

STAFF USE ONLY

Date completed: 1/24/94
 Searcher: Y
 Terminal time: 10:00
 Elapsed time:
 CPU time: 10
 Total time: 10
 Number of Searches: 1
 Number of Databases: 4

Search Site	Vendors
<input checked="" type="checkbox"/> STIC	<input checked="" type="checkbox"/> IG Suite
<input type="checkbox"/> CM-1	<input checked="" type="checkbox"/> STN
<input type="checkbox"/> Pre-S	<input type="checkbox"/> Dialog
Type of Search	
<input type="checkbox"/> N.A. Sequence	<input type="checkbox"/> APS
<input type="checkbox"/> A.A. Sequence	<input type="checkbox"/> Geninfo
<input checked="" type="checkbox"/> Structure	<input type="checkbox"/> SDC
<input type="checkbox"/> Bibliographic	<input type="checkbox"/> DARC/Questel
	<input type="checkbox"/> Other

=> fil reg

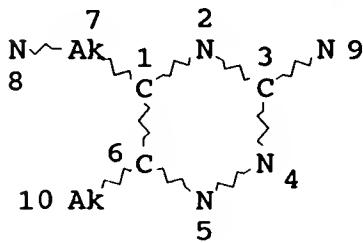
FILE 'REGISTRY' ENTERED AT 07:58:47 ON 25 JAN 94
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STRUCTURE FILE UPDATES: 22 JAN 94 HIGHEST RN 152439-71-9
 DICTIONARY FILE UPDATES: 24 JAN 94 HIGHEST RN 152439-71-9

TSCA INFORMATION NOW CURRENT THROUGH 30 JUNE 1993

=> d stat que

L9 STR



NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 10

STEREO ATTRIBUTES: NONE

L11 5 SEA FILE=REGISTRY SSS FUL L9

100.0% PROCESSED 5041 ITERATIONS (1 INCOMPLETE)

SEARCH TIME: 00.00.16 5 ANSWERS

=> d ide can 1-5

L11 ANSWER 1 OF 5 COPYRIGHT 1994 ACS

RN 151963-19-8 REGISTRY

CN 1,2-Propanediol, 3-[3-amino-5-[(propylamino)methyl]-1,2,4-triazin-6-yl]-, (S)- (9CI) (CA INDEX NAME)

FS STEREOSEARCH

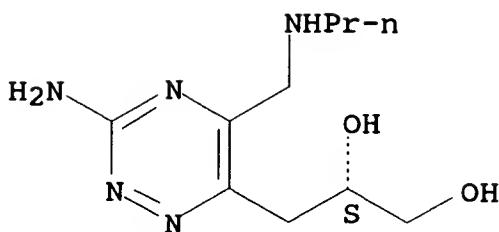
MF C10 H19 N5 O2

SR CA

LC STN Files: CA

DES 1:S

Absolute stereochemistry.

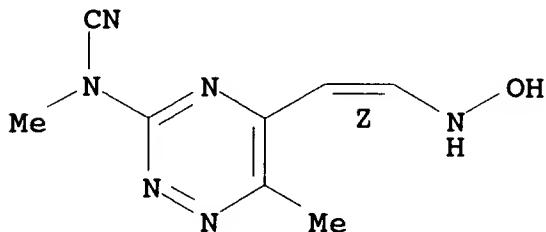


1 REFERENCES IN FILE CA (1967 TO DATE)

REFERENCE 1: CA120(3):31088k

L11 ANSWER 2 OF 5 COPYRIGHT 1994 ACS
 RN 83412-82-2 REGISTRY
 CN Cyanamide, [5-[2-(hydroxyamino)ethenyl]-6-methyl-1,2,4-triazin-3-yl]methyl-, (Z)- (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C8 H10 N6 O
 LC STN Files: BEILSTEIN*, CA
 (*File contains numerically searchable property data)
 DES 2:Z

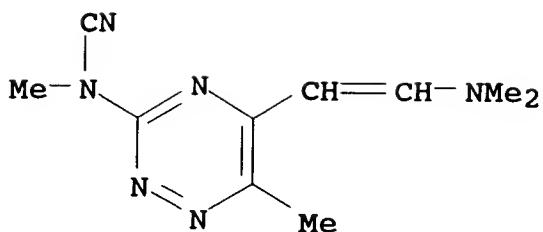
Double bond geometry as shown.



1 REFERENCES IN FILE CA (1967 TO DATE)

REFERENCE 1: CA97(21):182368j

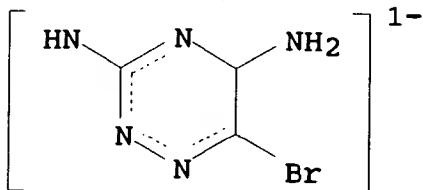
L11 ANSWER 3 OF 5 COPYRIGHT 1994 ACS
 RN 83412-81-1 REGISTRY
 CN Cyanamide, [5-[2-(dimethylamino)ethenyl]-6-methyl-1,2,4-triazin-3-yl]methyl- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C10 H14 N6
 LC STN Files: BEILSTEIN*, CA
 (*File contains numerically searchable property data)



1 REFERENCES IN FILE CA (1967 TO DATE)

REFERENCE 1: CA97(21):182368j

L11 ANSWER 4 OF 5 COPYRIGHT 1994 ACS
 RN 69236-34-6 REGISTRY
 ITERATION INCOMPLETE
 CN 1,2,4-Triazine-3,5-diamine, 6-bromo-5,?-dihydro-, ion(1-) (9CI) (CA INDEX NAME)
 MF C3 H5 Br N5
 LC STN Files: CA

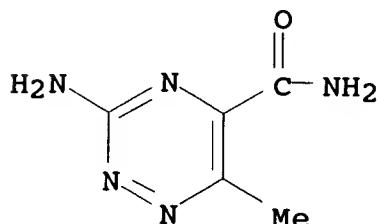


*** FRAGMENT DIAGRAM IS INCOMPLETE ***

1 REFERENCES IN FILE CA (1967 TO DATE)

REFERENCE 1: CA90(11):86287s

L11 ANSWER 5 OF 5 COPYRIGHT 1994 ACS
 RN 18915-41-8 REGISTRY
 CN as-Triazine-5-carboxamide, 3-amino-6-methyl- (8CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C5 H7 N5 O
 LC STN Files: BEILSTEIN*, CA
 (*File contains numerically searchable property data)



1 REFERENCES IN FILE CA (1967 TO DATE)

REFERENCE 1: CA69(9):36080q

=> fil hca

FILE 'HCA' ENTERED AT 07:59:32 ON 25 JAN 94

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THE CA FILE FOR 1967-PRESENT WITH HOUR-BASED PRICING.

FILE COVERS 1967 - 8 Jan 94 (940108/ED) VOL 120 ISS 2.

=> s 151963-19-8

L12 1 151963-19-8

=> d bib abs hitrn

L12 ANSWER 1 OF 1 CA COPYRIGHT 1994 ACS

AN CA120(3):31088k CA

TI Mechanism of inhibition of advanced glycosylation by aminoguanidine in vitro

AU Chen, Hauh Jyun Candy; Cerami, Anthony

CS Lab. Med. Biochem., Rockefeller Univ.

LO New York, NY 10021, USA

SO J. Carbohydr. Chem., 12(6), 731-42

SC 33-7 (Carbohydrates)

SX 22

DT J

CO JCACDM

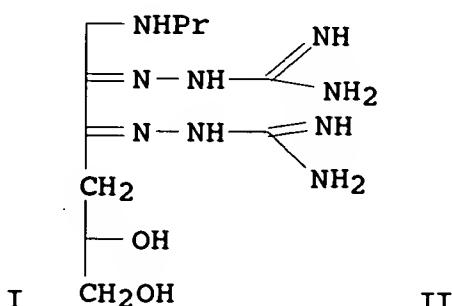
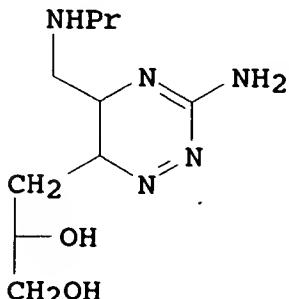
IS 0732-8303

PY 1993

LA Eng

AN CA120(3):31088k CA

GI



AB A triazine I and a bishydrazone II were isolated from a soln. of aminoguanidine incubated with an Amadori product (1-deoxy-1-propylamino-D-fructose) under physiol. conditions. The new products were characterized by NMR and mass spectrometric anal. The mechanism of the inhibition was proposed to involve the reactive

intermediate 1,4-dideoxy-1-(propylamino)-D- glycero-2,3-hexodiulose (i.e., 1-propylamino-1,4-dideoxyosone). The existence of this intermediate was supported by acetylation and characterization of the product. Formation of a proposed triazine and bis(amidinohydrazone) after the incubation of 1-propylamino-1,4-dideoxyosone with aminoguanidine also supported the proposed mechanism.

IT 26655-34-5P, .alpha.-D-Glucose 151963-17-6P **151963-19-8P**
151963-20-1P 151963-21-2P
(prep. of)

=> fil hcaold
FILE 'HCAOLD' ENTERED AT 08:00:03 ON 25 JAN 94
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PRE-1967 CHEMICAL ABSTRACTS FILE WITH HOUR-BASED PRICING
FILE COVERS 1957-1966
FILE LAST UPDATED: 3 AUG 91 (910803/ED)

=> s 151963-19-8
L13 0 151963-19-8

=> fil hcaprev
FILE 'HCPREVIEWS' ENTERED AT 08:00:15 ON 25 JAN 94
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PREVIEW FILE FOR THE CA FILE WITH HOUR-BASED PRICING
FILE COVERS CURRENT RECORDS AND IS UPDATED DAILY
FILE LAST UPDATED: 25 JAN 1994 (940125/ED)

Some records may not contain a volume, issue, and page number, because they are from advance abstracts of articles accepted for publication in journals published by the ACS. These abstracts will appear first in Advance ACS Abstracts. Please enter HELP ACSJOURNALS to see a list of the advance ACS journal titles.

=> s 151963-19-8
L14 0 151963-19-8